

F-49-02-02-02-22-04
W.L. Laird
Sinter Laboratory Studies

C O P Y

File
Col. Falls

THE ANACONDA COMPANY
P.O. BOX 1932, BUTTE, MONTANA 59701

ENVIRONMENTAL ENGINEERING
DEPARTMENT
OFFICE OF THE DIRECTOR
FRANK J. LAIRD, JR.

July 16, 1970

RE:

M E M O R A N D U M

TO: Mr. Frank J. Laird
Director Environmental Engineering

FROM: Don Ryan

SUBJECT: Analysis of Columbia Falls Vegetation Samples
Split Between Boyce Thompson Institute, Anaconda
Aluminum Planet Laboratory and Environmental
Engineering Laboratory.

<u>Sample No.</u>	<u>Environmental Eng. PPM Fluoride</u>	<u>Anaconda Aluminum PPM Fluoride</u>	<u>Boyce Thompson PPM Fluoride</u>
1F	.110	146	114
1P	178	122	180
2F	32	31	29
2P	67	92	73
3F	18	14	15
3P	19	25	19
4F	13	10	16
4P	26	36	34
5F	11	20	18
5P	17	17	17
6F	15	16	12
6P	6	8	7
7F	8	3	8

TO: Mr. Frank J. Laird, Jr., Director
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<u>Sample No.</u>	<u>Environmental Eng. PPM Fluoride</u>	<u>Anaconda Aluminum PPM Fluoride</u>	<u>Boyce Thompson PPM Fluoride</u>
7P	49	55	55
8F	5	9	7
8P	19	18	22
9F	18	4	8
9P	16	16	18
10F	16	21	23
10P	43	77	60

Anaconda Aluminum and Boyce Thompson Laboratories made their analyses with the Technicon Auto-Analyzers. Environmental Engineering used the Willard-Winter distillation method and Thorium nitrate titration.

C.C. Walt Unger

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